ATTORNEY DOCKET NO.: NMS03-10

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

As a named inventor, I hereby declare that:

the specification of which (check one)

My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHODS AND APPARATUS FOR NETWORK SIGNAL AGGREGATION AND BANDWIDTH REDUCTION

[]	is attached heret	0.							
[X] was filed on August 1, 2003 as United States Application Serial No.:			: <u>10/6</u>	33,260	<u>)</u>				
	and was amende	ed on	(if applicable).						
specific	I hereby state that cation, including th	at I have reviewed e claims, as amei	I and understand the contents of t	he at to ab	ove-id	lenti	fied		
patenta	l acknowledge thability as defined in	e duty to disclose 37 C.F.R. §1.56	information which is known by m	e to b	e mat	erial	to		
design identifi	ition(s) for patent of ated at least one c ed below, by check	or inventor's certification or inventor or inventor inventor or inventor in	efits under 35 U.S.C. 119(a)-(d) or cate or 365(a) of any PCT internathe United States of America, list foreign application for patent or ing date before that of the application	itiona ed be ivento	l application are considered are considered application are considered are	cation nd ha tifica	n wh ave a ate, o	ich Iso r of	any imed:
		<u>Pri</u>	or Foreign Application(s)	N	ority lot nimed	C YI	Certi Copy I	File	
(Nuṃb	er)	(Country)	(Day/Month/Year filed)	. [1.	[]	[]
(Numb	er)	(Country)	(Day/Month/Year filed)	. [}	1]	[]
(Numb	er)	(Country)	(Day/Month/Year filed)	. [.]	[]	[]
l hereb below.	y claim the benefit	under 35 U.S.C.	§119(e) of any United States pro	vision	al app	licat	ion(s) list	ed
60/401		· · · · · · · · · · · · · · · · · · ·	August 02, 2002	, ,	·				
(Applic	ation Number)		(Filing Date)						
60/460 (Applic	,597 ation Number)		April 4, 2003 (Filing Date)						
(Applic		,	(i mig bate)						(

Attorney Docket No.: NMS03-10

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filling date of the prior application and the national or PCT international filling date of this application:

(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Barry W. Chapin, Esq.	Reg. No. 39,934
David E. Huang, Esq.	Reg. No. 39,229
Christine M. Kuta, Esq.	Reg. No. 38,001
Jeffrey J. Duquette, Esq.	Reg. No. 45,487
Christopher J. Lutz, Esq.	Reg. No. 44,883
Paul P. Kriz, Esq.	Reg. No. 45,752

of Chapin & Huang, L.L.C., Westborough Office Park, 1700 West Park Drive, Westborough, Massachusetts.

I also hereby grant additional Powers of Attorney to all of the above-identified attorney(s) and/or agent(s) to file and prosecute an international application under the Patent Cooperation Treaty based upon the above-identified application, including a power to meet all designated office requirements for designated states.

Please send correspon	dence to: Barry W. Char	oin, Esq.		
Chapin & Huang, L.L.C	., Westborough Office Park, 170	00 West Park Drive, V	Vestborough, MA 01581	
Direct telephone calls to	o: Barry W. Chapin, Esq.	Telephone	No.: 508-366-9600	
Direct facsimiles to:	Barry W. Chapin, Esq.	Facsimile No.: 50	8-616-9805	
statements made on in made with the knowled imprisonment, or both,	e that all statements made hereiformation and belief are believed ge that willful false statements a under Section 1001 of Title 18 o dize the validity of the application	d to be true; and furth nd the like so made a if the United States C	er that these statements wer are punishable by fine or ode and that such willful fals	
Full name of sole or first inventor Inventor's Signature R sidence			ate Sept 4, 2003	
Citizenship	United States of America			
Post Office Address	Same as above			

Full name of second join	int	
inventor, if any		
Inventor's Signature	N. 11 NE	
Residence		
Citizenship	United States of America	
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Full name of third joint	Attack of D. Marketin	
inventor, if any Inventor's Signature		Date 9/4/2003
		Date
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Citizenship	Tanzania		
Post Office Address _	Same as above		
Full name of eight join	t		
inventor, if any			······································
Inventor's Signature	Classel Clarken	Date _	9/4/03
Residence	10 Hillside Avenue, Southborough, MA 01772		
Citizenship	United States of America		
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			,
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inventor, if any			,
Inventor's Signature_		Date	9/5/2200
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Citizenship	United States of America		**************************************
Post Office Address _	Same as above		

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Post Office Address	Same as above
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Citizenship	Canada
Post Office Address	Same as above
Full name of fourteenth	joint
inventor, if any	Daniel F. Daty
Inventor's Signature	2) and I 2 al Date 9/8/03
Residence	12 Millbrook Lane, Bolton, MA 01740
	United States of America
Post Office Address	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

O TO S TONOPHORY

Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHODS AND APPARATUS FOR NETWORK SIGNAL AGGREGATION AND BANDWIDTH REDUCTION

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[X]	was filed on Augus	st 1, 2003 as Uni	ted States Application Serial N	o.: <u>10/633,260</u>	<u> </u>
	and was amended	on	(if applicable).		
specifica	I hereby state that ation, including the	I have reviewed claims, as amer	and understand the contents onded by any amendment referre	of the above-ided to above.	entified
patental	I acknowledge the bility as defined in	duty to disclose 37 C.F.R. §1.56.	information which is known by	me to be mate	erial to
application designation design	ion(s) for patent or ted at least one co d below, by checki	inventor's certificantry other than	fits under 35 U.S.C. 119(a)-(d) cate or 365(a) of any PCT inter the United States of America, lifereign application for patent or date before that of the application	national applic isted below ar inventor's cer	cation which Id have also tificate, or of any
		<u>Pri</u>	or Foreign Application(s)	Priority Not Claimed	Certified Copy Filed? YES NO
(Numbe	or)	(Country)	(Day/Month/Year filed)	_ []	[1 1 1]
(Numbe	er)	(Country)	(Day/Month/Year filed)		[] []
(Numbe	er)	(Country)	(Day/Month/Year filed)	_ []	[] []
l hereby below.	y claim the benefit	under 35 U.S.C.	§119(e) of any United States p	rovisional app	lication(s) listed
60/401.	503		August 02, 2002	- •	
	ation Number)		(Filing Date)		•
60/460,	597		April 4, 2003		
	ation Number)		(Filing Date)		

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any PCT international at the subject matter of eac PCT International applic acknowledge the duty to	oplication designating the Unit on of the claims of this applicate ation in the manner provided to disclose information known be the available between the filing	O of any United States application(s), or 3 ed States of America, listed below and, ir tion is not disclosed in the prior United Stoy the first paragraph of 35 U.S.C. 112, I y me to be material to patentability as deg date of the prior application and the nati	nsofar as lates or fined in 37
(Application Serial No.)	(Filing date)	(Status: patented, pending, aband	ioned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, aband	loned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, aband	(benot
(Application Serial No.)	(Filing date)	(Status: patented, pending, aband	doned)
As a named invapplication and transact	entor, I hereby appoint the foll all business in the Patent and	owing attorney(s) and/or agent(s) to pros I Trademark Office connected therewith:	ecute this
	Barry W. Chapin, Esc David E. Huang, Esq Christine M. Kuta, Es Jeffrey J. Duquette, E Christopher J. Lutz, E Paul P. Kriz, Esq.	. Reg. No. 39,229 sq. Reg. No. 38,001 Esq. Reg. No. 45,487	
of Chapin & Huang, L.L Massachusetts.	.C., Westborough Office Park,	1700 West Park Drive, Westborough,	
agent(s) to file and pros	ecute an international applicat	ney to all of the above-identified attorney(tion under the Patent Cooperation Treaty er to meet all designated office requireme	based
Please send correspond	dence to: Barry W. Cha	apin, Esq.	
Chapin & Huang, L.L.C	, Westborough Office Park, 17	700 West Park Drive, Westborough, MA 0)1581
Direct telephone calls to	e: Barry W. Chapin, Esc	q. Telephone No.: 508-366-960	0
Direct facsimiles to:	Barry W. Chapin, Esq.	Facsimile No.: 508-616-9805	
statements made on inf made with the knowledge imprisonment, or both, it	ormation and belief are believe ge that willful false statements under Section 1001 of Title 18	rein of my own knowledge are true and the de to be true; and further that these state and the like so made are punishable by for the United States Code and that such on or any patent issued thereon.	ments were ine or
Full name of calc			
Full name of sole or first inventor	R. Brough Turner		
,	A. Diough Tumo.		
Residence		······································	
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Full name of sixth joint		
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Full name of ninth joint		
Full name of ninth joint inventor if any	James M. Van Donsel	•
inventor, if any		Date
inventor, if any		Date
inventor, if any	32 Riverview Avenue, Waltham, MA 02453	

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inventor, if any	Benoit Delorrite	
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	Canada	
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		_
Full name of eleventh j	oint	
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Citizenship		
Post Office Address		
Full name of twelfth join	nt	
inventor, if any		
Inventor's Signature		Date 2003 109 115
	7638 Pl. Trudel, Brossard, Quebec, J4W 1P5, C	<u> </u>
	•	dilada
Citizenship		
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Full name of thirteenth		
1	Jean-Hugues Deschenes	- 18/09/2003
Inventor's Signature	em. Just vas ones	Date 18/09/2003
Residence	7190 Des Pruniers, Anjou, Quebec, H1J2B5, Ca	anada
Citizenship	Canada ·	
Post Office Address	Same as above	·
· ·		
Full name of fourteentl	n joint	
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Inventor's Signature		_ Date
Inventor's Signature		_ Date
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Residence	12 Millbrook Lane, Bolton, MA 01740 United States of America	_ Date